

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
11 January 2001 (11.01.2001)

PCT

(10) International Publication Number  
**WO 01/02827 A3**

- (51) International Patent Classification<sup>7</sup>: C12Q 1/26, 1/28, G01N 33/12
- (21) International Application Number: PCT/SE00/01449
- (22) International Filing Date: 6 July 2000 (06.07.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 9902608-0 6 July 1999 (06.07.1999) SE
- (71) Applicant (for all designated States except US): FORSKARPATENT I SYD AB [SE/SE]; Ideon, S-223 70 Lund (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CSÖREGI, Elisabeth [SE/SE]; Borgåsslingan 31, S-224 72 Lund (SE). NICULESCU, Mihaela [SE/SE]; Systervägen 9, S-221 41 Lund (SE). FRÉBORT, Ivo [CZ/CZ]; Handkeho 5, 779 00 Olomouc (CZ).
- (74) Agents: IVERSEN HASSELROT, Eva et al.; Allied Attorneys Chemical AB, Box 24107, S-104 51 Stockholm (SE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report  
— with amended claims
- (88) Date of publication of the international search report: 28 June 2001
- (48) Date of publication of this corrected version: 9 August 2001
- (15) Information about Correction:  
see PCT Gazette No. 32/2001 of 9 August 2001, Section II
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BIOSENSOR

(57) Abstract: The present invention relates to a biosensor for the detection and/or the determination of freshness biomarkers, such as biogenic amines (preferably histamine) in food and beverage, comprising an electrode and a mono-enzyme system, such as an amine oxidase, or a bi-enzyme system of an amine oxidase and a peroxidase. The enzymes are optionally crosslinked into an osmium based redox polymer.

WO 01/02827 A3